

2026 Lehigh Valley Science & Engineering Research Fair Results

Name	Award	Advance to Del Val	Grade	Project Title	School
Serena Jaffer	07-Behavior & Social Science-1st Place	YES	7	Evaluating Moisturizers: The Effect of Psychology on Marketing	Moravian Academy - MS
Sandrine Bluske	07-Behavior & Social Science-2nd Place		7	Forget-Me-Not: Testing best learning techniques on memory retention	ST Thomas More
Rebecca Kolpon	08-Behavior & Social Science-1st Place	YES	8	Pandora's Box: How Do Screens Affect Learning?	Southern Lehigh Middle School
Sayuri Keskar	08-Behavior & Social Science-2nd Place		8	How does warping and color change of words affect the elimination of the Stroop Effect?	Springhouse Middle School
Gabriella Ortiz	08-Behavior & Social Science-3rd Place		8	Can Peppermint Improve Reaction Times?	Moravian Academy - MS
Lucille Deyton	08-Behavior & Social Science-Honorable Mention		8	Which Mnemonic Allows for the Best Retention of a Given List of Words and Matching Definitions	Moravian Academy - MS
Khadijah Janjua	08-Behavior & Social Science-Honorable Mention		8	The Effects of Texting on Behavior and Comprehension	Moravian Academy - MS
Patrick Molitoris	10-Behavior & Social Science-1st Place	YES	10	The Effect of Stimulation on Human Reaction Time	Emmaus High School
Brianna Kale	12-Behavior & Social Science-1st Place	YES	12	The Effects of Artificial Intelligence on Critical Thinking	Bangor Area High School
Shravya Suresh	07-Biochemistry-1st Place	YES	7	Which fruit produces the strongest and most durable bioplastic?	Springhouse Middle School
Vihaan Jalani	07-Biochemistry-2nd Place		7	Removing Bioplastics From Water Using Ferrofluids	Springhouse Middle School
Navneeth Kuppala	07-Biochemistry-3rd Place		7	What is the effect and EC50 of concentrations of salt in water used on pea plants.	Springhouse Middle School
Saanvi Vellapalem	07-Biochemistry-Honorable Mention		7	What is the effect of different temperatures on the level of vitamin C in an orange?	Springhouse Middle School
Anna Dinh	08-Biochemistry-1st Place	YES	8	Does temperature and pH affect the extent of denaturation in egg whites?	Springhouse Middle School
Ayush Jalani	10-Biochemistry-1st Place	YES	10	A Novel Path to Clean Power: Increasing Electrode Performance of Microbial Fuel Cells	Parkland High School
Parth Parikh	10-Biochemistry-2nd Place	YES	10	In Silico Design and Validation of Repurposed Drug Candidates for the DfrA1 DHFR (D27E/L28Q) Dou	Parkland High School
Taylor Roberts	11-Biochemistry-1st Place	YES	11	Sticky Science: Comparing Natural and Canned Fruit Preservation	Freedom High School
Warren Kunkel	06-Botany-1st Place		6	Lettuce Grow	Catasauqua Middle School
Rene Kim	07-Botany-1st Place	YES	7	Plantwave: When Plants Met Music	Springhouse Middle School
Isadora Roberts	07-Botany-2nd Place		7	What other components can I add to martian regolith simulant to make navy beans grow.	Springhouse Middle School
Asvadh Baskaran	07-Botany-3rd Place		7	Effects of substrate type vs. plant growth	Springhouse Middle School
Ananshi Podupuganti	07-Botany-Honorable Mention		7	How do different colors of light affect plant growth?	Springhouse Middle School
Anagha Avadhanula	08-Botany-1st Place	YES	8	What is the Effect of Irradiation on Seed Germination?	Springhouse Middle School
Carolyn Win	08-Botany-2nd Place		8	What Is the Effect of Grey Water on the Growth of Plants	Springhouse Middle School
Masa Rihan	08-Botany-3rd Place		8	What is the effect of different solutions on the preservation of store-bought flowers?	Springhouse Middle School
Fangjie Liu	08-Botany-Honorable Mention		8	How does the color of light affect the growth of lima bean plants?	Moravian Academy - MS
Scarlett Svetcov	10-Botany-1st Place	YES	10	The Brix Factor: Measuring the Effectiveness of Wax Coatings on Starch-to-Sugar Conversion on Ripe	Parkland High School
Arnav Avadhanula	10-Botany-2nd Place	YES	10	The Effect of pH on Seed Germination Rate	Parkland High School
Whitney Foreman	06-Chemistry-1st Place		6	Splitting Water	Moravian Academy - MS
Andrew Lucadamo	07-Chemistry-1st Place	YES	7	Water Purification in the Wilderness: What Method is best?	Springhouse Middle School
Asiya Akbar	07-Chemistry-2nd Place		7	Traditional vs. Gel Nail Polish Evaluation	Moravian Academy - MS
Anika Fadnavis	07-Chemistry-3rd Place		7	How does the temperature of a permanent magnet affect the number of paper clips it can pick up?	Springhouse Middle School
Mariam Jaffer	07-Chemistry-Honorable Mention		7	Does Temperature Affect Dissolving?	Springhouse Middle School
Saanvi Magaji	07-Chemistry-Honorable Mention		7	Fizz and Flour	Springhouse Middle School
Julianna Neas	08-Chemistry-1st Place	YES	8	Thermal Cooling Conditions and Their Impact on Bismuth Crystal Growth	Orefield Middle School
Bianca Wrase	08-Chemistry-2nd Place		8	Crystallization of Solutes at Various Temperatures	Springhouse Middle School

Olivia Beck	08-Chemistry-3rd Place		8	Evaluating Binders in Gluten Free Baking	Moravian Academy - MS
Safiyah Hasher	08-Chemistry-Honorable Mention		8	Effect of Temperature on Magnetic Strength	Springhouse Middle School
Vineel Paladugu	08-Chemistry-Honorable Mention		8	Evaluation of the Effectiveness of Sunscreens	Moravian Academy - MS
Thalia Levine	09-Chemistry-1st Place	YES	9	How Material Affects the Rate of Linear Thermal Expansion	Parkland High School
Noor Aslam	09-Chemistry-2nd Place	YES	9	Effect of Moisturizers on Hydration in a Gelatin Skin Model.	Parkland High School
Taha Aslam	09-Chemistry-3rd Place	YES	9	Ecological approach for food packing	Parkland High School
Aaditri Suresh	10-Chemistry-1st Place	YES	10	Biopolymer Adhesives - Bonding Strength on Safe Substrates	Parkland High School
Aditya Ghalsasi	10-Chemistry-2nd Place	YES	10	Cryogenic Carbon Capture	Parkland High School
Aarna Pandey	10-Chemistry-3rd Place	YES	10	The CSI Effect: How Luminol Lights Up Hidden Evidence	Parkland High School
Adhira Reddy	10-Chemistry-Honorable Mention		10	Investigating the Potential of a Salt-Water Battery as a Potentiometric Glucose Biosensor	Emmaus High School
Michael Zheng	11-Chemistry-1st Place	YES	11	Analyzing the effects of UV radiation on Plastics	Bangor Area High School
Karthika Kuppala	11-Chemistry-2nd Place	YES	11	Visible-Light Photocatalytic Deoxygenation for Renewable Fuel Applications	Parkland High School
Zafirah Rahman	11-Chemistry-3rd Place	YES	11	The Effect of Vitamin C on the Oxidation of Common Food Oils	Parkland High School
Luca D'Orsi	12-Chemistry-1st Place	YES	12	The Potential of Hydrogen	Easton Area High School
Spencer Fleshman	07-Computer Science-1st Place	YES	7	Can AI Predict Wildfire Location and Intensity	Moravian Academy - MS
Preston Edwards	08-Computer Science-1st Place	YES	8	How Do AI Responses of Sentence Closers Differ From Those of Middle Schoolers?	Moravian Academy - MS
Evan Chen	08-Computer Science-2nd Place		8	What Sorting Algorithm can Sort a List the Fastest?	Springhouse Middle School
Akshay Mathad	08-Computer Science-3rd Place		8	Plant Watering Reminder System	Springhouse Middle School
Devansh Garg	09-Computer Science-1st Place	YES	9	SafeStep: A Dual-Sensor Navigation Aid for Detecting Obstacles and Drop-Offs	Parkland High School
Wesley Luo	09-Computer Science-2nd Place	YES	9	Optimizing Node-Weighted TSP: An Algorithm Performance Study	Parkland High School
Lucas Maxwell	09-Computer Science-3rd Place	YES	9	Text Analysis Computer Program	Parkland High School
Rohan Datta Mokirala	09-Computer Science-Honorable Mention		9	Using Machine Learning to Predict Thyroid Cancer Recurrence	Parkland High School
Derek Yao	10-Computer Science-1st Place	YES	10	Detection and Characterization of Critical Minerals and Materials using Artificial Neural Networks	Parkland High School
Lucas Yang	10-Computer Science-2nd Place	YES	10	Developing a Deep-Learning Surrogate Framework for Evaluating Color-Correction Methods	Parkland High School
Sophie Law	10-Computer Science-3rd Place	YES	10	Medi-Remind!: The Personal Medicine App to Help Patients	Parkland High School
Mohid Mirza	10-Computer Science-Honorable Mention		10	Multi-Agent LLMs: The Future of AI Reasoning	Parkland High School
Sofia Hameed	11-Computer Science-1st Place	YES	11	Year 2: Designing a platformer video game for the blind and visually impaired	Parkland High School
Soumyadeep Das	11-Computer Science-2nd Place	YES	11	Smarter, Not Bigger: Ending Context Overload to Optimize LLM Tool Selection	Parkland High School
Neha Atchyuthuni	12-Computer Science-1st Place	YES	12	Quantum Support Vector Machine for Heart Attack Prediction	Parkland High School
Deeksha Barker	07-Earth and Space Sciences-1st Place	YES	7	To Grow or Not to Grow: Testing the Effects of Salinity on Plants	Springhouse Middle School
Krishiv Patel	08-Earth and Space Sciences-1st Place	YES	8	Can Artificial Intelligence Classify Stars?	Southern Lehigh Middle School
Yasamin Saffari-Farsani	09-Earth and Space Sciences-1st Place	YES	9	Harlow Shapley's Method: Finding the Center of the Milky Way Galaxy Using the Spatial Distribution of	Parkland High School
Kevin Lu	10-Earth and Space Sciences-1st Place	YES	10	Using Machine Learning Methods to Detect GPS Spoofing and Jamming	Parkland High School
Jonathan Win	11-Earth and Space Sciences-1st Place	YES	11	Searching for Transiting Circumbinary Planets in Kepler and TESS Data Using a Novel Deep Learning	Parkland High School
Shatkon Sathish	07-Engineering-1st Place	YES	7	Magnetic Levitation: Riding the Rails of the Future	Springhouse Middle School
David Castro	07-Engineering-2nd Place		7	How does the amount of magnetic nanoparticles in oil change the viscosity of the oil?	Springhouse Middle School
Nithin Ramakrishnan	07-Engineering-3rd Place		7	How does surface friction and air resistance affect pod speed	Orefield Middle School
Niya Sheth	07-Engineering-Honorable Mention		7	How much weight can different bridge designs handle?	Springhouse Middle School
Kaito Kiuchi	08-Engineering-1st Place	YES	8	Evaluating Tsunami Wall Designs for Effectiveness	Moravian Academy - MS

Harsha Gollapudi	08-Engineering-2nd Place		8	What is the effect of different liquids on the amount of current produced?	Springhouse Middle School
Wyatt Ache	08-Engineering-3rd Place		8	Does the shape of the nosecone affect how far an air pressure rocket goes?	Springhouse Middle School
Pranshu Patel	09-Engineering-1st Place	YES	9	A.T.L.U.S Advanced Rocket Stabilization	Parkland High School
Abhinav Sivakumar	09-Engineering-2nd Place	YES	9	Evaluating Methods to Prevent Unauthorized RFID reading of ID Cards	Parkland High School
Vibha Borkar	10-Engineering-1st Place	YES	10	How Pigmentation Affects Near-Infrared Vein Visibility	Parkland High School
Oscar Liu	10-Engineering-2nd Place	YES	10	Smart Pet Communication and Containment System	Parkland High School
Daniel Soloviev	10-Engineering-3rd Place	YES	10	What type of parachute deployment systems in model rockets, are best for reliability.	Parkland High School
Jayden Yao	11-Engineering-1st Place	YES	11	Wearable Energy Harvester: Converting Human Arm Motion into Power for Low-Energy IoT Sensors	Parkland High School
Ellia Sales	11-Engineering-2nd Place	YES	11	Optimizing Roadway Geometric Design to Minimize Hydroplaning Risk	Easton Area High School
Omar Ali	11-Engineering-3rd Place	YES	11	A Low-Cost Robotic Model for Space Debris Collection	Catasauqua High School
Aryan Kapoor	12-Engineering-1st Place	YES	12	A Small Rover in the Big Ocean: Building and Testing of a Cheap, Fully Self-Sufficient AUV to Improve	Parkland High School
Helen Si	07-Environmental Sciences-1st Place	YES	7	Effects of Common Soil Pollutants on Orange Powder Isopod Survival	Springhouse Middle School
Ana Laura Rodrigues Bandt	07-Environmental Sciences-2nd Place		7	Water for Everyone	Springhouse Middle School
Yashaswini Ayithi	07-Environmental Sciences-3rd Place		7	Does the combinations of salt, sand, and beet juice affect the amount of melted ice?	Springhouse Middle School
Maria Ekladioss	07-Environmental Sciences-Honorable Mention		7	What is the effect of the concentration of chlorine on the survival rate of amoebas?	Springhouse Middle School
Arham Khara	08-Environmental Sciences-1st Place	YES	8	Formulation, Synthesis, and Mechanochemical Characterization of Starch-Based Biodegradable Polym	Springhouse Middle School
Rhea Lux	08-Environmental Sciences-2nd Place		8	Microplastics in Water and Surrounding Environments	Southern Lehigh Middle School
Sean Edwards	08-Environmental Sciences-3rd Place		8	What materials and designs for a dam/levee/barrier are the most effective at protecting land from floodi	Springhouse Middle School
Bryan Lux	08-Environmental Sciences-Honorable Mention		8	Testing the Efficiency of Aquatic Plants in Reducing Nutrient Pollution	Southern Lehigh Middle School
Jessica Jin	09-Environmental Sciences-1st Place	YES	9	Monitoring and Analyzing Water Quality Data from Lehigh River	Parkland High School
Guhan Sathish	10-Environmental Sciences-1st Place	YES	10	Optimizing the Removal of Microplastics with Chitosan Polymer	Parkland High School
Greeshma Konda	10-Environmental Sciences-2nd Place	YES	10	Removal of Metal Surrogates from Water Using Functionalized MWCNTs and Fe ₃ O ₄ -Decorated MWCNTs	Parkland High School
Ryah Horne	11-Environmental Sciences-1st Place	YES	11	Restoration Project Effects on Stream Quality	Bangor Area High School
Samantha Cheevers	12-Environmental Sciences-1st Place	YES	12	Enrichment Impacts on Turtles	Bangor Area High School
Amaaya Chaudhry	07-Mathematics-1st Place	YES	7	The Math of Tennis: How Far is that Ball?	Moravian Academy - MS
Aryash Shyam	08-Mathematics-1st Place	YES	8	EVOLVING STABILITY: A Genetic Algorithm For Combinatorial Optimization Of Multiplexed CRISPR g	Lehigh Valley Academy RCS
Gaurika Devrani	08-Mathematics-2nd Place		8	How does the wing surface area of a paper airplane affect its flight distance, and can we mathematically	Springhouse Middle School
Shoureesh Gudimetla	08-Mathematics-3rd Place		8	How does the angle of a launch affect how far a ball travels?	Springhouse Middle School
Zining Fan	11-Mathematics-1st Place	YES	11	Detecting causality in globally hyperbolic spacetimes using Conjugation Quandles	Emmaus High School
Anthony Wang	11-Mathematics-2nd Place	YES	11	Solving the Elastic Deformation of Roll Mill Roll Systems using the Least Squares Collocation Method	Parkland High School
Muhammadali Hussain	11-Mathematics-3rd Place	YES	11	Epidemic Modeling	Parkland High School
Anish Pallod	12-Mathematics-1st Place	YES	12	Brain Diffusion Augmentation	Parkland High School
Kashvi Bhatia	07-Medicine and Health-1st Place	YES	7	Antibiotic Resistance in India	Springhouse Middle School
Fox Slocum	08-Medicine and Health-1st Place	YES	8	The Effect of Fatigue on Running Efficiency	Moravian Academy - MS
Anishka Srivastava	08-Medicine and Health-2nd Place		8	How does Viscosity effect blood flow through narrow blood vessels.	Springhouse Middle School
Sisira Kota	09-Medicine and Health-1st Place	YES	9	BrainAid – Helping doctors detect Alzheimer’s with AI	Parkland High School
Adhya Narayanan	09-Medicine and Health-2nd Place	YES	9	Computational Analysis of Genetic Mutations to Predict Risk of Disease	Parkland High School
Adwik Banerjee	10-Medicine and Health-1st Place	YES	10	Role of Vitamin D3 in Parkinson’s Disease	Parkland High School
Kelly Wang	10-Medicine and Health-2nd Place	YES	10	Using Machine Learning to Diagnose Alzheimer’s Disease	Parkland High School

Areesha Mariyam	10-Medicine and Health-3rd Place	YES	10	A Low Cost Magnetically Reconfigured Scaffold Prototype for Nerve Repair	Parkland High School
Vansh Singhal	10-Medicine and Health-Honorable Mention		10	Closing the loop- the bionic pancreas revolution.	Nazareth Area High School
Shagun Dholakia	11-Medicine and Health-1st Place	YES	11	How does SLC11A2 expression affect survival outcomes in colon adenocarcinoma patients across diff	Parkland High School
Eklavya Rai	11-Medicine and Health-2nd Place	YES	11	Microbiome's role in Human Behavior Traits	Parkland High School
Dhruvika Aryasomayajula	11-Medicine and Health-3rd Place	YES	11	In Vitro Assessment of Corrosion-Related Metal Ion Release Potential from Cardiovascular Stent Alloys	Parkland High School
Jacklyn Law	12-Medicine and Health-1st Place	YES	12	Sugar Intake in Drosophila melanogaster	Bangor Area High School
Owen Mera	12-Medicine and Health-2nd Place	YES	12	The Effects of Stretching in Athletic Performance	Bangor Area High School
Max DeNofa	09-Microbiology-1st Place	YES	9	What is the Efficacy of Different Disinfectants on Bacteria?	Freedom High School
Austin Li	09-Microbiology-2nd Place	YES	9	What effect do the different types of sugars have on yeast?	Parkland High School
Sean Jeon	10-Microbiology-1st Place	YES	10	Investigating Biofilm Disruption in Pseudomonas putida by Exogenous Pyruvate Oxidase (POX)	Parkland High School
Srisha Banerjee	10-Microbiology-2nd Place	YES	10	Effects of Glycerol on E coli Growth	Freedom High School
Eric Liu	10-Microbiology-3rd Place	YES	10	Synergistic Antimicrobial Activity of Ampicillin and Origanum vulgare Oil Against Bacillus subtilis (FIC/M	Parkland High School
Navya Abraham	10-Microbiology-Honorable Mention		10	The Effects of UV-C Dosage on Pseudomonas putida Colonies	Freedom High School
Shravani Shelke	10-Microbiology-Honorable Mention		10	Transgenerational Stress Memory in Yeast: Effects of Chemical and Environmental Modifiers	Parkland High School
Habiba Zein	10-Microbiology-Honorable Mention		10	Comparative antibacterial effects of selected natural substances	Parkland High School
Iccha Bendigeri	11-Microbiology-1st Place	YES	11	Comparative Effectiveness of Ayurvedic Plant Extracts and Antibiotics in Inhibiting E.coli Biofilms	Parkland High School
Maci Mariano	11-Microbiology-2nd Place	YES	11	A Novel Approach to Treating Microplastics in Well Water	Bangor Area High School
Brian Stetz	12-Microbiology-1st Place	YES	12	Optimization of Calcium Chloride in Heat Shock Procedure	Bangor Area High School
Abir Singhal	06-Physics-1st Place		6	Pitch Perfect- Fine tuning the singing glass!	Nazareth Area Intermediate
Raj Bishwal	07-Physics-1st Place	YES	7	What is the effect of the solenoid material of the paper speaker on the loudness of the speaker (dB)?	Springhouse Middle School
Mynah Dey	07-Physics-2nd Place		7	How Do The Types Of Metals Affect Solar Panels?	Orefield Middle School
Bilal Nazir	07-Physics-3rd Place		7	How do vibrations of one pendulum affect the second pendulum with varying lengths?	Springhouse Middle School
Eeshal Baig	07-Physics-Honorable Mention		7	Which Crochet Stitch Holds the Most Heat?	Springhouse Middle School
Ovi Bhole	07-Physics-Honorable Mention		7	How do the different sizes and shapes of a parachute affect the speed and descent time?	Orefield Middle School
Rayed Rafi	07-Physics-Honorable Mention		7	Materials and UV Radiation	Springhouse Middle School
Guytano Stevens	08-Physics-1st Place	YES	8	How Does Wing Shape Affect Lift?	Moravian Academy - MS
Mateo Ramírez Arevalo	08-Physics-2nd Place		8	How does the amount of magnets affect how fast a mini electromagnet train goes? (M/s Meters per sec	Springhouse Middle School
Strider Li	08-Physics-3rd Place		8	Does The Shape Of A Parachute's Canopy Affect Its Rate Of Descent?	Springhouse Middle School
John Haight	08-Physics-Honorable Mention		8	How the Number of Balls Affects the Speed of a Gauss Mechanism	Moravian Academy - MS
Imogen Middleton	08-Physics-Honorable Mention		8	What is the effect of occupancy on frequency and decibel levels.	Springhouse Middle School
Vihaan Rao	08-Physics-Honorable Mention		8	The Effect of Base Material Thickness of a Vessel on Heating Efficiency of Water	Springhouse Middle School
Logan Sweeney	08-Physics-Honorable Mention		8	What is the Effect of String Length on a Pendulum?	Springhouse Middle School
Mia Tang	08-Physics-Honorable Mention		8	The Effect of Mass on the Distance an RC Car Runs	Springhouse Middle School
Saharsha Konda	09-Physics-1st Place	YES	9	"My Battery Is Low, And It's Getting Dark": An Evaluation of Energy Recovery Efficiency of Solar Panel	Parkland High School
Aanya Agrawal	09-Physics-2nd Place	YES	9	Refractive index measurement of liquid solutions using a laser pointer	Southern Lehigh High School
Jocelyn Jiang	09-Physics-3rd Place	YES	9	Exploration of Unsteady Aerodynamics and Predictive Stall Detection: Assessing Boundary Layer Dyna	Parkland High School
Rian Balachandran	09-Physics-Honorable Mention		9	Effect of Material Type on Vibration Damping in Beams	Parkland High School
Arnav Borkar	09-Physics-Honorable Mention		9	Mach Numbers Effects on Bio-Inspired vs. Whitcomb Airfoils	Parkland High School
Twisha Gandhi	09-Physics-Honorable Mention		9	Comparison of solar technologies in varied light intensities	Parkland High School

Aleena Nazir	09-Physics-Honorable Mention		9	Effect of Sound Frequency on Standing Waves	Parkland High School
Ryan Shan	09-Physics-Honorable Mention		9	What is the effect of different finger positions on a violin's A string's pitch?	Parkland High School
Yihan Li	10-Physics-1st Place	YES	10	Deterministic Chaos and Double Pendulum Systems	Parkland High School
Reva Paul	11-Physics-1st Place	YES	11	Inverse Orbit Modeling of GRACE-FO Satellites Using Physics-Informed Neural Networks with a Neural Network	Moravian Academy - HS
Guhan Sureshkumar	11-Physics-2nd Place	YES	11	Utilizing Horizon Induced Wave Amplification in Flowing Water for Renewable Energy Applications	Parkland High School
Tushar Mehta	12-Physics-1st Place	YES	12	Short-Term Smoke Risk from Stubble Burning using Dispersion Modeling and Physics-Informed Neural Networks	Parkland High School
Kathayini Palusa	11-Team-1st Place	YES	11	Designing a Low-cost, Safe Neonatal Incubator for Temperature Regulation	Parkland High School
Anuluwapo Ogunsola	11-Team-1st Place	YES	11	Designing a Low-cost, Safe Neonatal Incubator for Temperature Regulation	Parkland High School
Manideep Muvvala	11-Team-2nd Place	YES	10	Predicting Alzheimer's: Can Machine Learning Discern Symptoms Early On?	Freedom High School
Rachit Ale	11-Team-2nd Place	YES	10	Predicting Alzheimer's: Can Machine Learning Discern Symptoms Early On?	Freedom High School
Lileighana Siegfried	11-Team-2nd Place	YES	11	Predicting Alzheimer's: Can Machine Learning Discern Symptoms Early On?	Freedom High School
Rahini Chauhan	11-Team-3rd Place	YES	11	In-Silico Evaluation of Antimicrobial Peptides for Treatment of Bacterial Meningitis and Prediction of Therapeutic Efficacy	Parkland High School
Miriam Kelawy	11-Team-3rd Place	YES	11	In-Silico Evaluation of Antimicrobial Peptides for Treatment of Bacterial Meningitis and Prediction of Therapeutic Efficacy	Parkland High School
Julia Boutros	11-Team-3rd Place	YES	11	In-Silico Evaluation of Antimicrobial Peptides for Treatment of Bacterial Meningitis and Prediction of Therapeutic Efficacy	Parkland High School
Amirah Khellawan	11-Team-Honorable Mention		11	The Effect of Caffeine on the Thrash Rate and Eating Behavior of Wild-Type Caenorhabditis elegans	Freedom High School
Anderson Duong	11-Team-Honorable Mention		11	The Effect of Caffeine on the Thrash Rate and Eating Behavior of Wild-Type Caenorhabditis elegans	Freedom High School
Safiya Saif	11-Team-Honorable Mention		11	Microplastic Contamination in Pre-Packaged Food vs. Fresh Food: A Comparative Study	Parkland High School
Shireen Jan	11-Team-Honorable Mention		11	Microplastic Contamination in Pre-Packaged Food vs. Fresh Food: A Comparative Study	Parkland High School
Maheen Jan	11-Team-Honorable Mention		11	Microplastic Contamination in Pre-Packaged Food vs. Fresh Food: A Comparative Study	Parkland High School
Anand Crooke	06-Zoology-1st Place		6	The Effects of Humidity on Water and Feeding Consumption of Dumpy Tree Frogs	Joseph P Liberati Intermediate School
Lillian Lan	07-Zoology-1st Place	YES	7	What is the effect of different foods on silk production in silkworms?	Springhouse Middle School
Scarlet Weimann	08-Zoology-1st Place	YES	8	How does the music style affect ant tunneling behavior?	Springhouse Middle School
Bianca Alvarado-Nava	08-Zoology-2nd Place		8	The Effect of Temperature on Butterfly Development	Springhouse Middle School
Tyler Iyengar	10-Zoology-1st Place	YES	10	The Effects of Temperature on the Invasive New Zealand Mudsnaill	Emmaus High School
Esteban Rodriguez Silva	11-Zoology-1st Place	YES	11	Behavioral Responses in Drosophila melanogaster Following Exposure to Bluetooth Radiofrequency	Easton Area High School
Xin Liu	11-Zoology-2nd Place	YES	11	Factors Affecting Respiration in an Aquatic Environment	Freedom High School
Olivia Braddock	12-Zoology-1st Place	YES	12	The Effects of BCAAs on Cognitive Function	Bangor Area High School
Mia Napolitano	12-Zoology-2nd Place	YES	12	Physiological and Reproductive Effects of Caffeine in Daphnia magna	Freedom High School